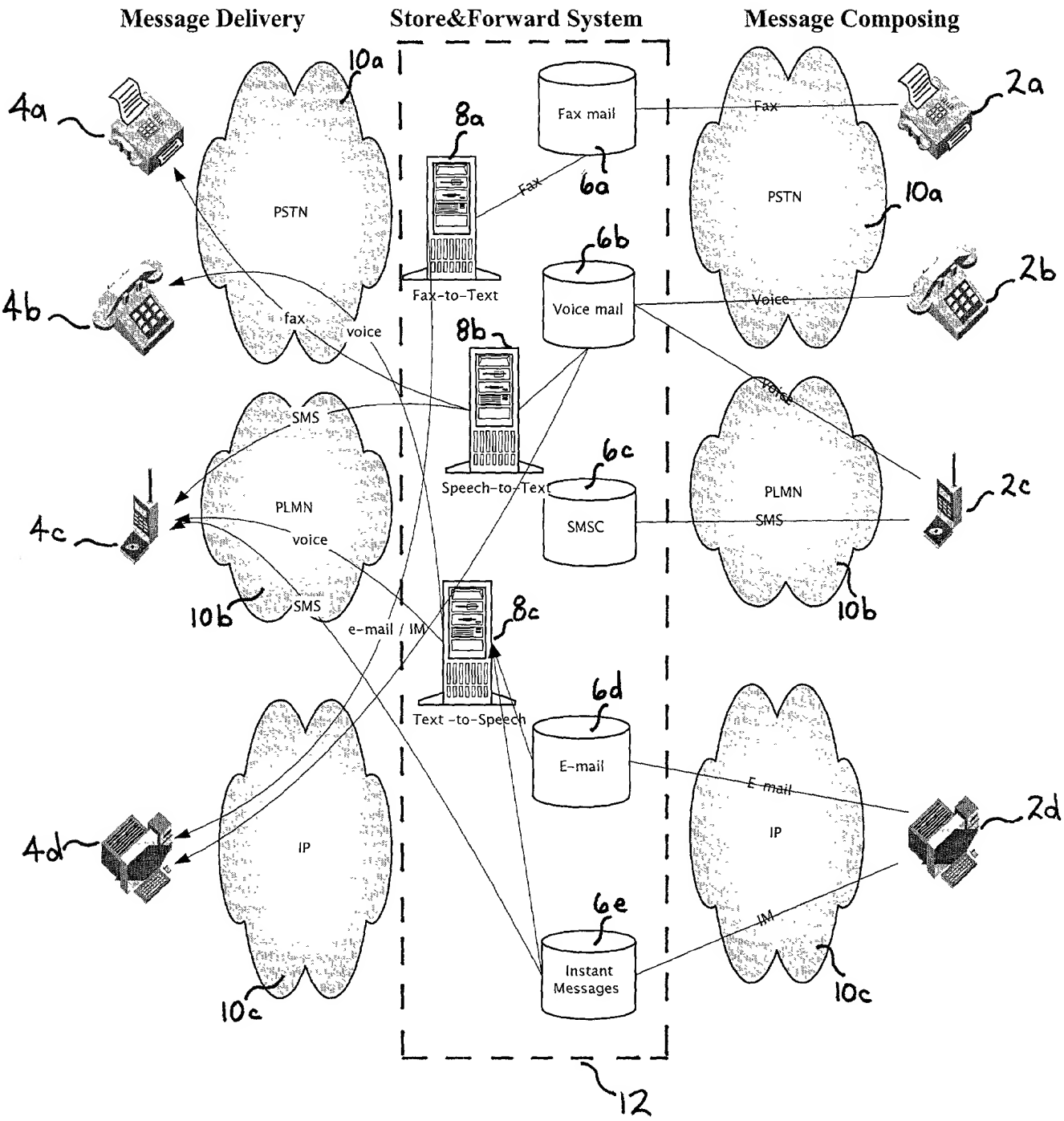

FIG. 1
PRIOR ART

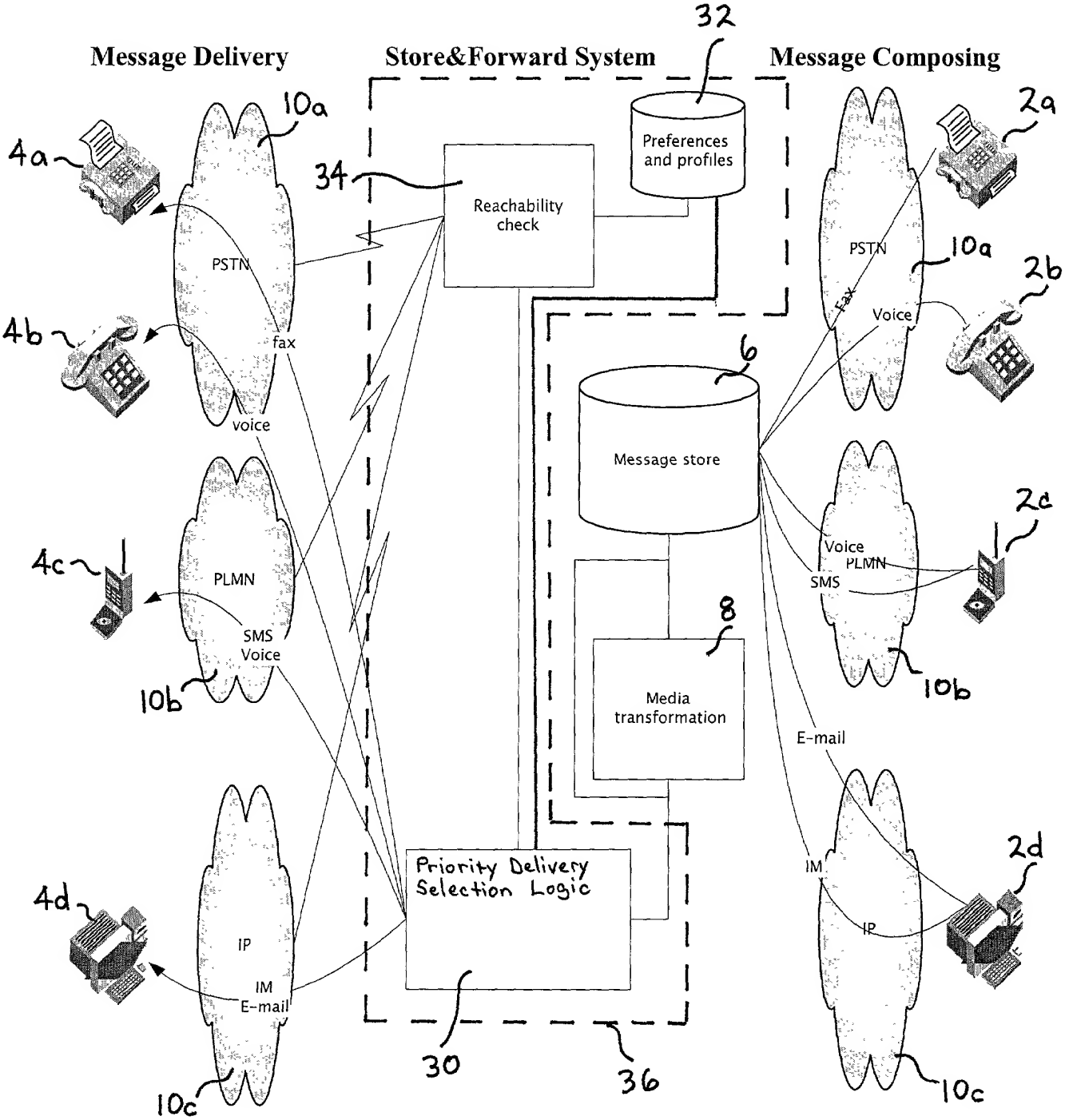
Message Delivery
Store&Forward System
Message Composing
32
Preferences and profiles
34
Reachability check
6
Message store
8
Media transformation
Priority Delivery Selection Logic
30
36
4a
4b
4c
4d
10a
10b
10c
PSTN
fax
voice
PLMN
SMS
Voice
IP
IM
E-mail
2a
2b
2c
2d
Fax
Voice
PLMN
SMS
IM
IP
E-mail

FIG. 2

Strategy A profile

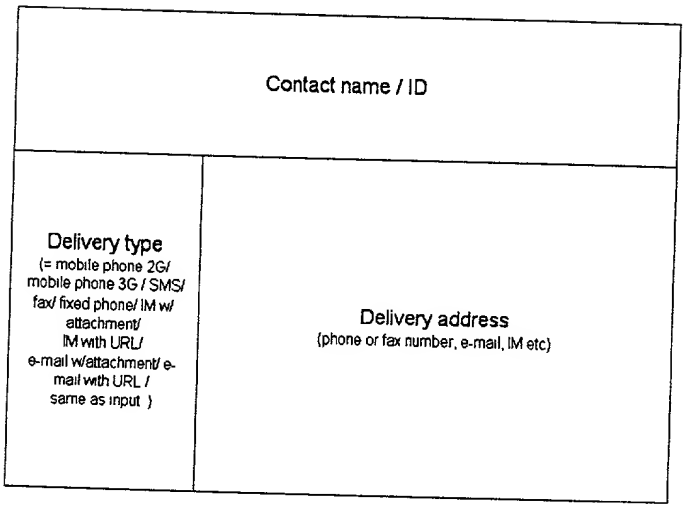

FIG. 3A

Strategy B profile

Contact name / ID		
Delivery type (= mobile phone 2G/ mobile phone 3G / SMS/ fax/ fixed phone/ IM w/ attachment/ IM with URL/ e-mail w/attachment/ e-mail with URL / same as input)	Delivery address (phone or fax number, e-mail, IM etc)	Delivery time (= **working hours**)
Delivery type (= mobile phone 2G/ mobile phone 3G / SMS/ fax/ fixed phone/ IM w/ attachment/ IM with URL/ e-mail w/attachment/ e-mail with URL / same as input)	Delivery address (phone or fax number, e-mail, IM etc)	Delivery time (= **working days afterhours**)
Delivery type (= mobile phone 2G/ mobile phone 3G / SMS/ fax/ fixed phone/ IM w/ attachment/ IM with URL/ e-mail w/attachment/ e-mail with URL / same as input)	Delivery address (phone or fax number, e-mail, IM etc)	Delivery time (= **weekends**)

FIG. 3B

Strategies C&D profile

Contact name / ID			
Delivery type (= **mobile phone 2G** or = **mobile phone 3G**)	mobile phone number		Delivery priority
Delivery type (= **SMS**)	SMS Gateway Address		Delivery priority
Delivery type (= **fixed phone**)	fixed phone number		Delivery priority
Delivery type (= **fax**)	fax number		Delivery priority
Delivery type (= **IM w/attachment** or = **IM with URL**)	IM provider	IM nickname	Delivery priority
Delivery type (= **e-mail w/ attachment** or = **e-mail with URL**)	e-mail Address		Delivery priority
Delivery type (= **same as input**)	Default		Delivery priority

FIG. 3C

Strategy D current table

Contact name / ID		
Last Delivery Type	Last Delivery Time	Last Delivery Address

FIG. 3D

Priority delivery system configuration settings

Timeout before delivery retries	
Maximum retries of delivery cycles number	
Delivery type (= **mobile phone 2G** or = **mobile phone 3G**)	Expiration time (for strategy D)
Delivery type (= **SMS**)	Expiration time (for strategy D)
Delivery type (= **fixed phone**)	Expiration time (for strategy D)
Delivery type (= **fax**)	Expiration time (for strategy D)
Delivery type (= **IM w/attachment** or = **IM with URL**)	Expiration time (for strategy D)
Delivery type (= **e-mail w/ attachment** or = **e-mail with URL**)	Expiration time (for strategy D)
Delivery type (= **same as input**)	Expiration time (for strategy D)

FIG. 3E

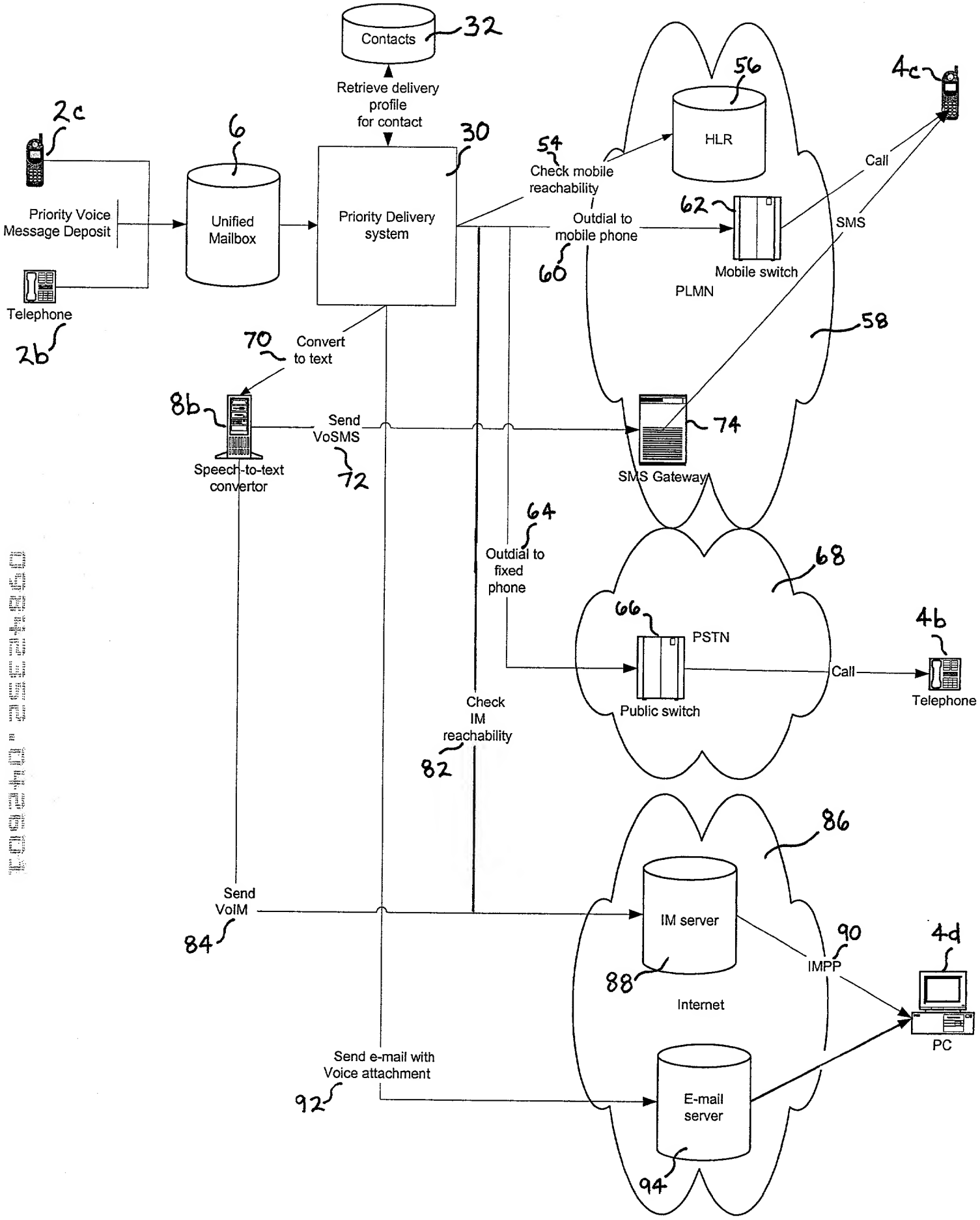
Contacts
32
Retrieve delivery profile for contact
2c
6
30
54
Check mobile reachability
56
HLR
4c
Priority Voice Message Deposit
Unified Mailbox
Priority Delivery system
Call
62
SMS
Outdial to mobile phone
60
Mobile switch
PLMN
Telephone
2b
58
70
Convert to text
8b
Send VoSMS
72
74
Speech-to-text convertor
SMS Gateway
64
Outdial to fixed phone
68
66
PSTN
4b
Call
Telephone
Public switch
Check IM reachability
82
86
Send VoIM
84
IM server
90
IMPP
4d
88
Internet
PC
Send e-mail with Voice attachment
92
E-mail server
94

FIG. 4

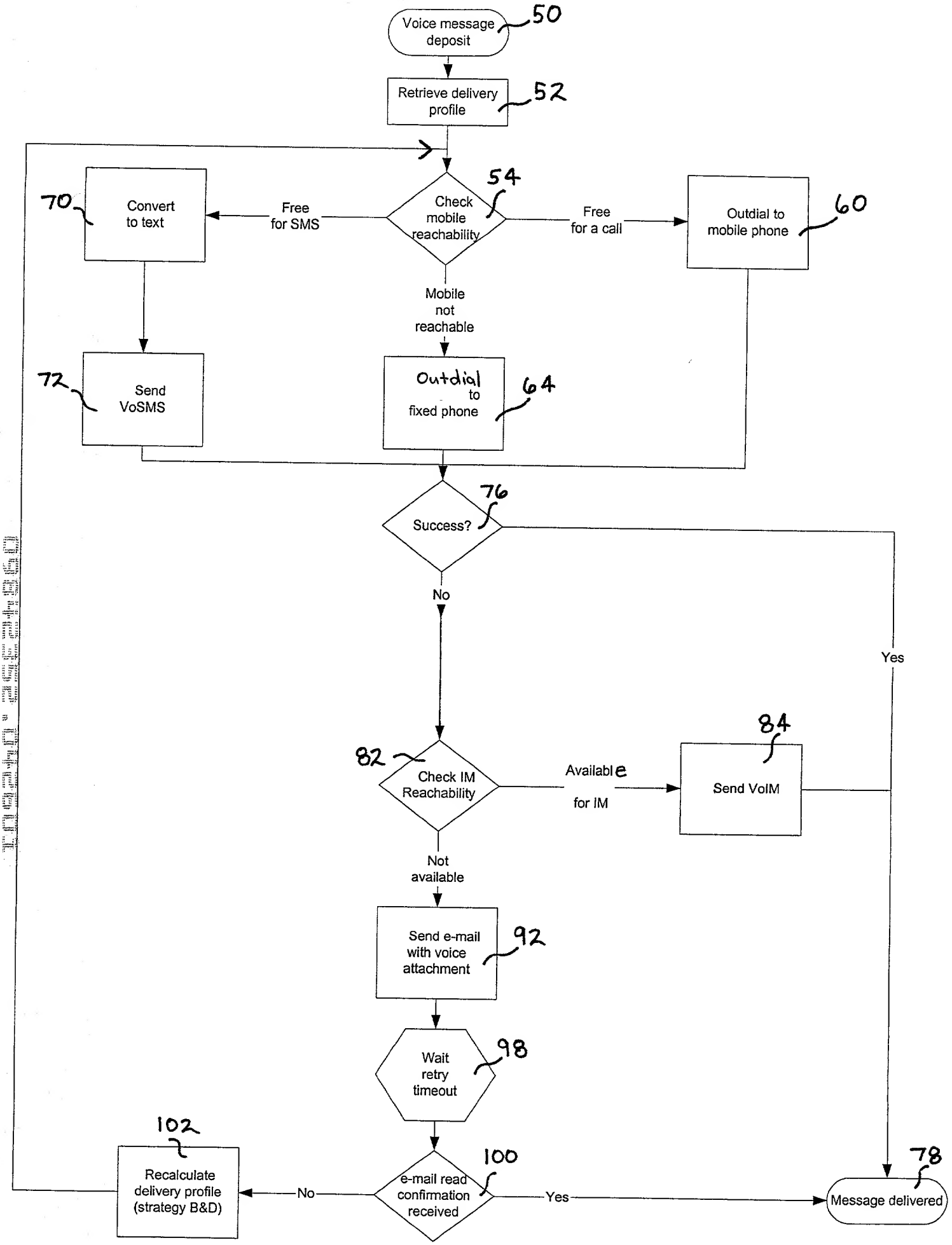
Voice message deposit
50
Retrieve delivery profile
52
Check mobile reachability
54
Free for SMS
Convert to text
70
Free for a call
Outdial to mobile phone
60
Mobile not reachable
Send VoSMS
72
Outdial to fixed phone
64
Success?
76
No
Yes
Check IM Reachability
82
Available for IM
Send VoIM
84
Not available
Send e-mail with voice attachment
92
Wait retry timeout
98
e-mail read confirmation received
100
No
Yes
Recalculate delivery profile (strategy B&D)
102
Message delivered
78

FIG. 5

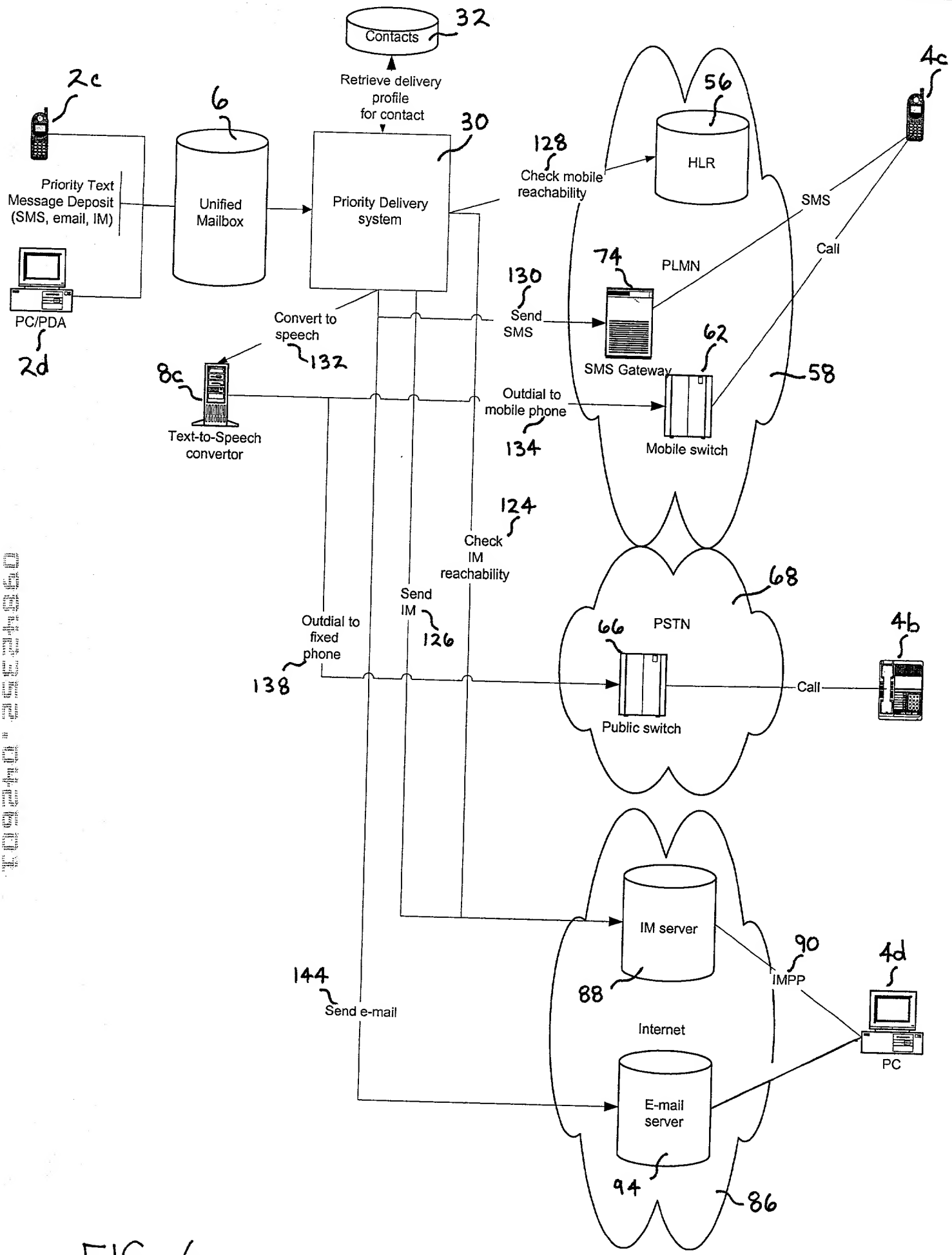
Contacts
32
Retrieve delivery profile for contact
30
2c
6
Priority Text Message Deposit (SMS, email, IM)
Unified Mailbox
Priority Delivery system
PC/PDA
2d
128
Check mobile reachability
56
HLR
4c
SMS
Call
74
PLMN
130
Send SMS
SMS Gateway
62
58
Convert to speech
132
8c
Text-to-Speech convertor
Outdial to mobile phone
134
Mobile switch
124
Check IM reachability
68
Send IM
126
Outdial to fixed phone
138
66
PSTN
4b
Call
Public switch
IM server
90
IMPP
4d
144
Send e-mail
88
Internet
PC
E-mail server
94
86

FIG. 6

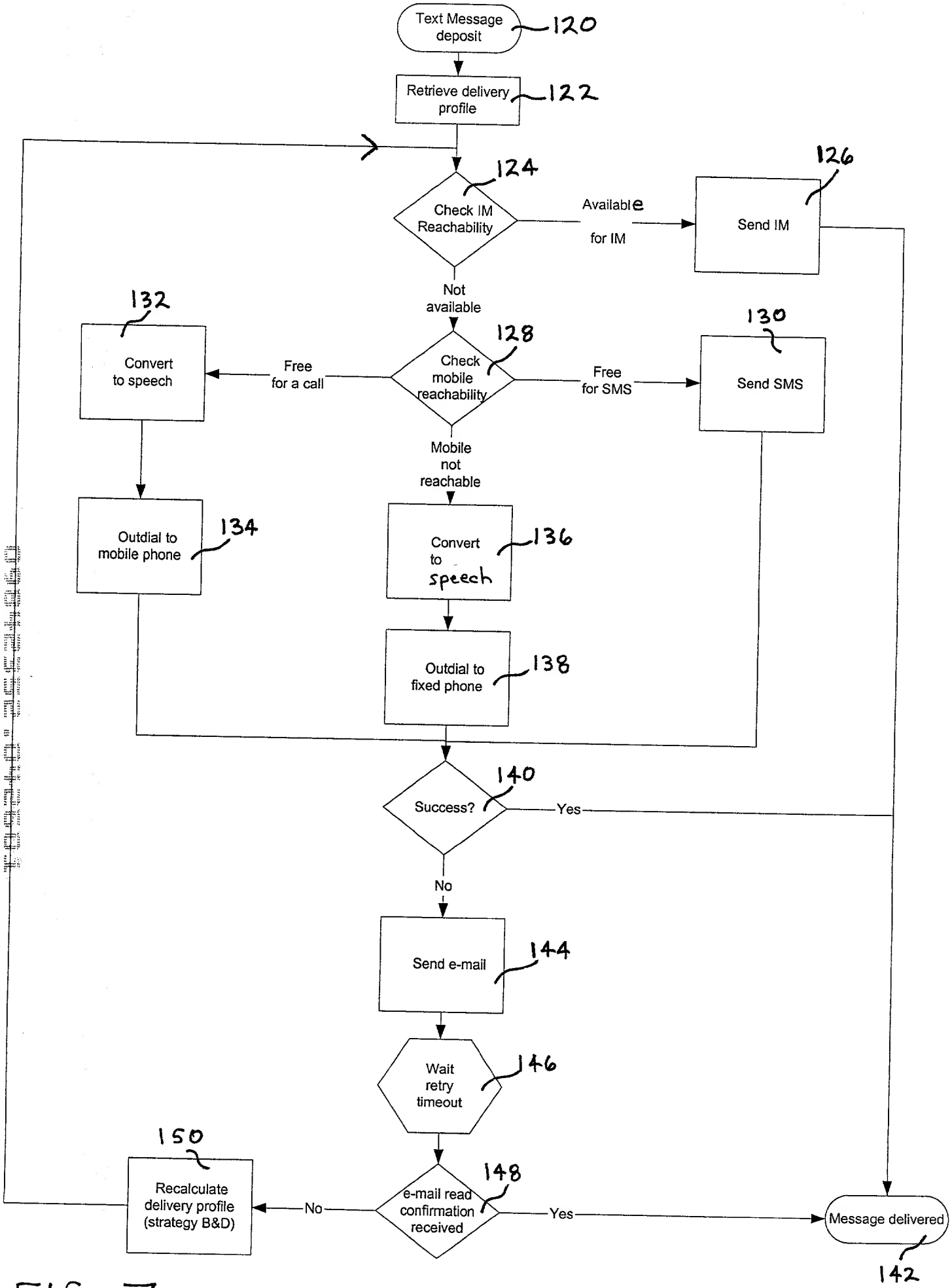
Text Message deposit
120
Retrieve delivery profile
122
124
Check IM Reachability
Available for IM
126
Send IM
Not available
132
Convert to speech
Free for a call
128
Check mobile reachability
Free for SMS
130
Send SMS
Mobile not reachable
Outdial to mobile phone
134
Convert to speech
136
Outdial to fixed phone
138
Success?
140
Yes
No
Send e-mail
144
Wait retry timeout
146
150
Recalculate delivery profile (strategy B&D)
No
148
e-mail read confirmation received
Yes
Message delivered
142

FIG. 7